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5/29/02
Date

Susan LaMont
Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

WOLFFE et al.

Serial No.: 10/083,682

Group Art Unit: Unassigned

Filing Date: October 24, 2001

Examiner: Unassigned

Title: DATABASES OF REGULATORY SEQUENCES; METHODS OF
MAKING AND USING SAME

SUBMISSION OF FORMAL DRAWINGS

Assistant Commissioner for Patents

Box Issue Fee

Washington, D.C. 20231

Attention: Official Draftsman

Sir:

Enclosed are 20 sheets of formal drawings in connection with the above identified case.

Respectfully submitted,

Date: May 29, 2002

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Registration No. 41,411

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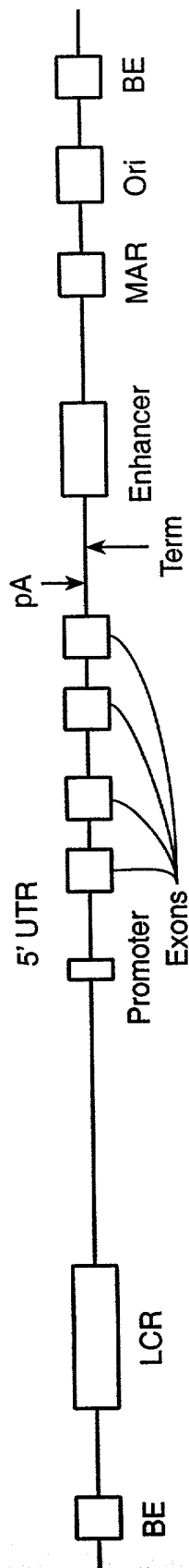


FIG. 1

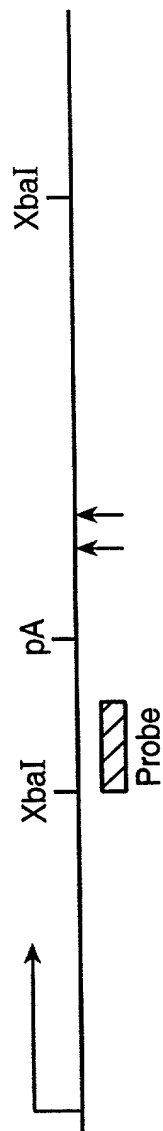


FIG. 2A

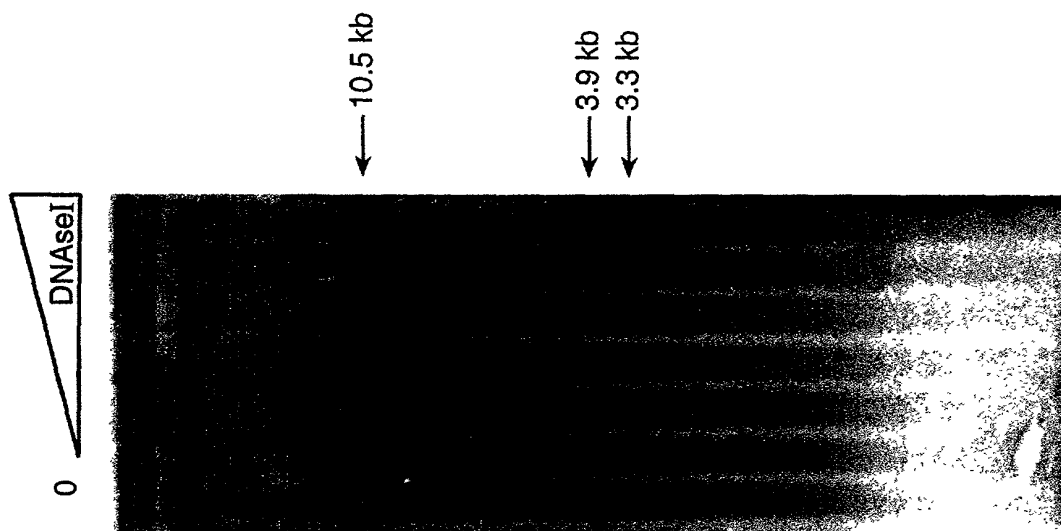


FIG._2B

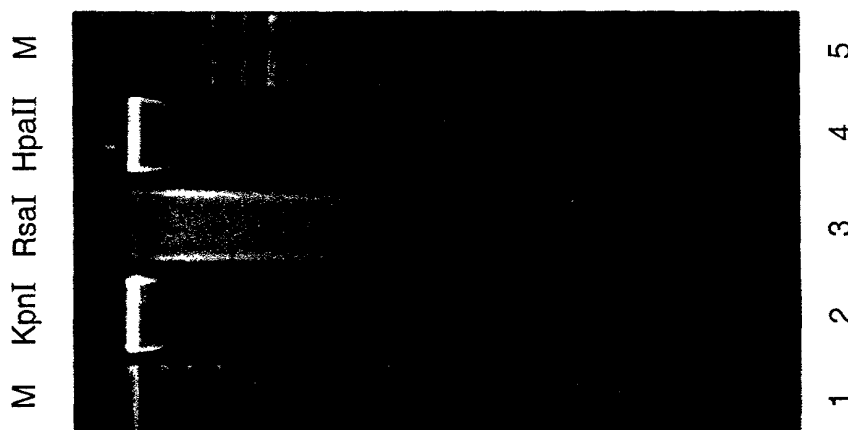
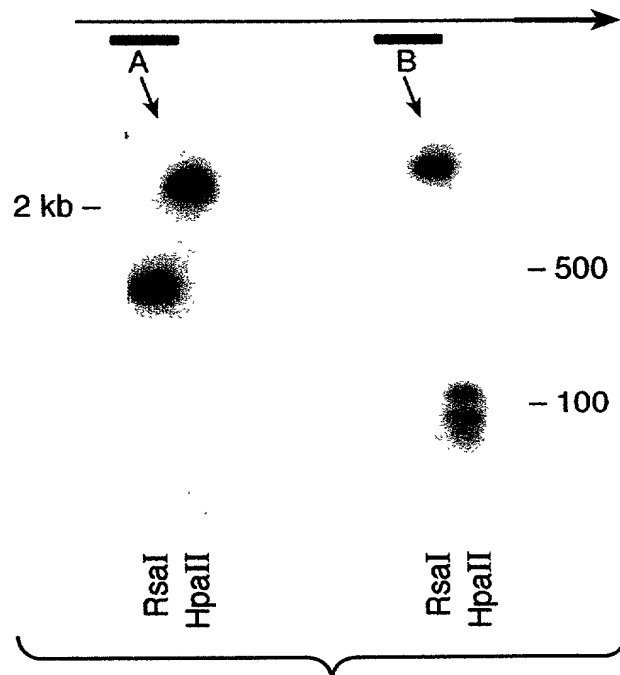
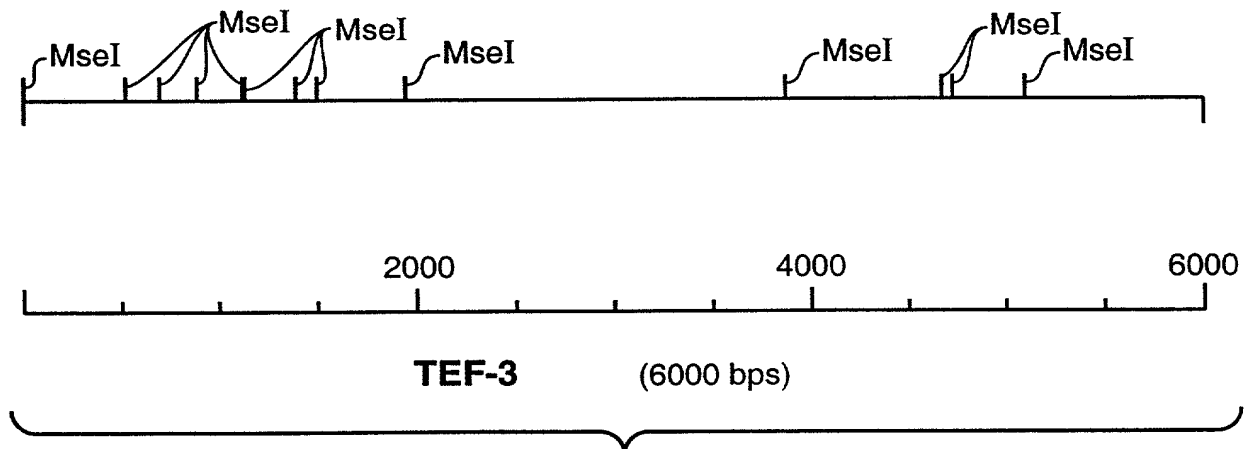
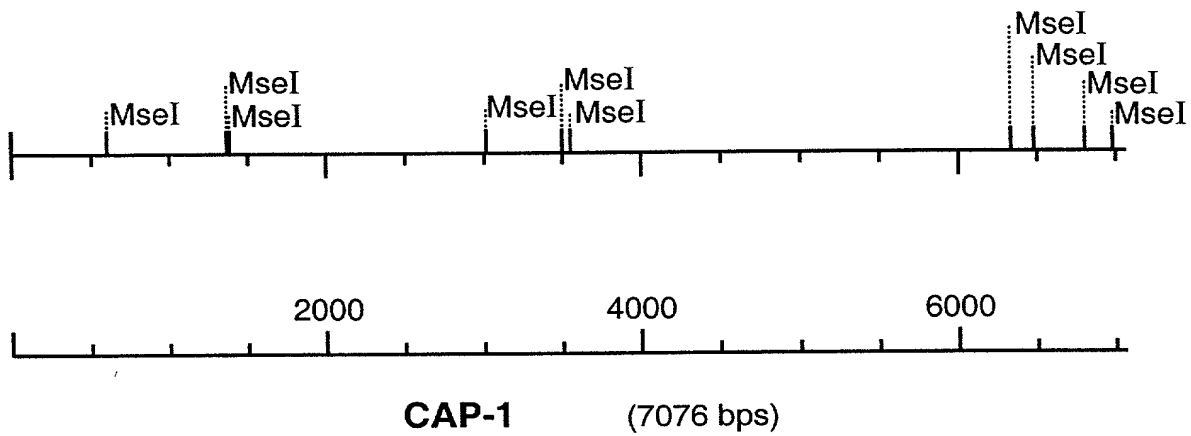
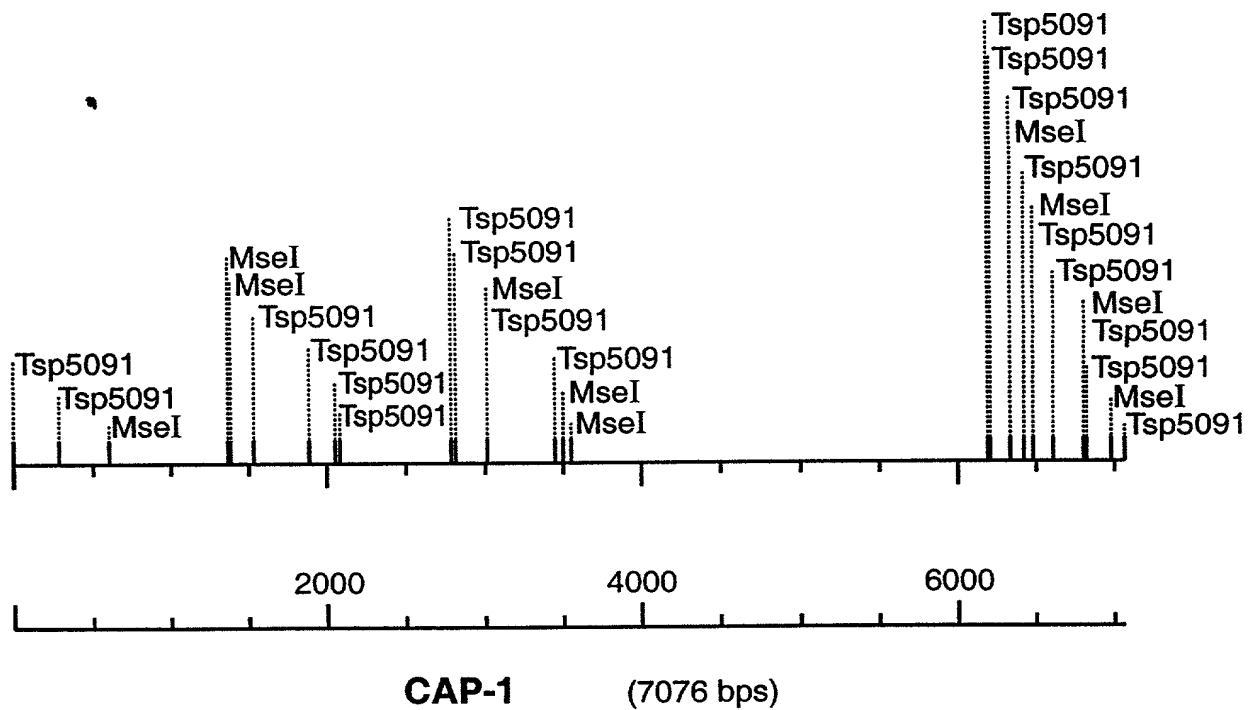
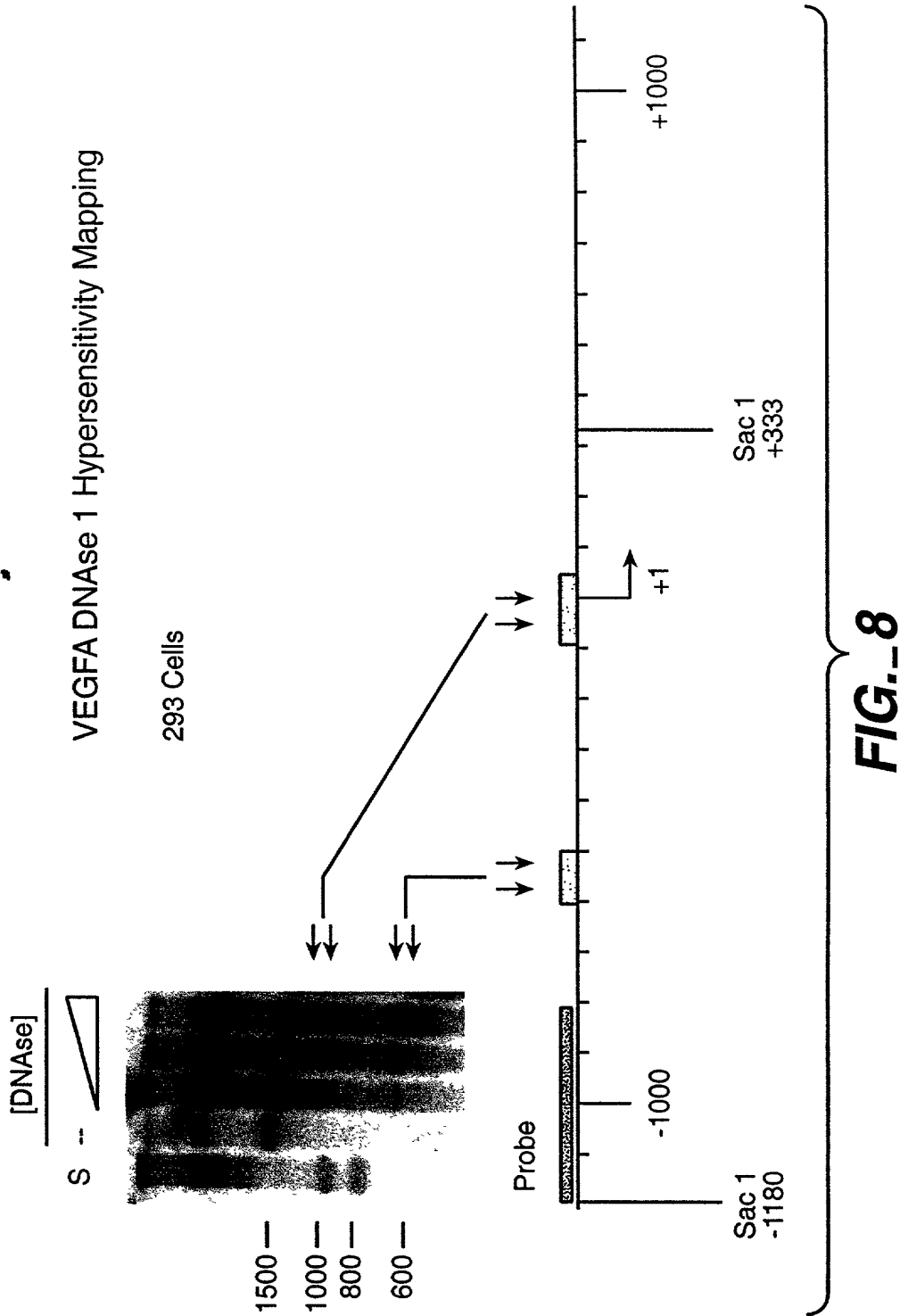


FIG._3

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**FIG._4****FIG._5**

**FIG._6****FIG._7**



DNase 1 Hypersensitivity Mapping of VEGFA

Summary of Results:

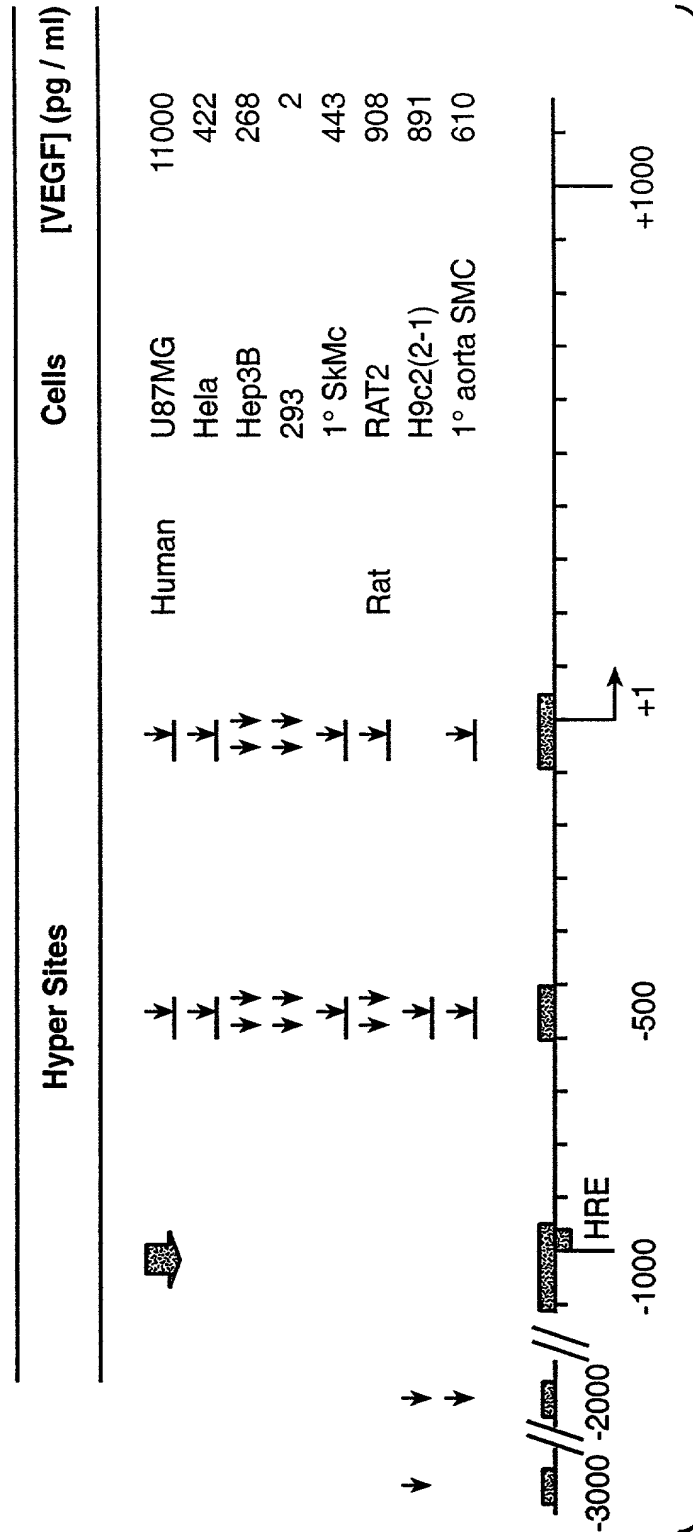
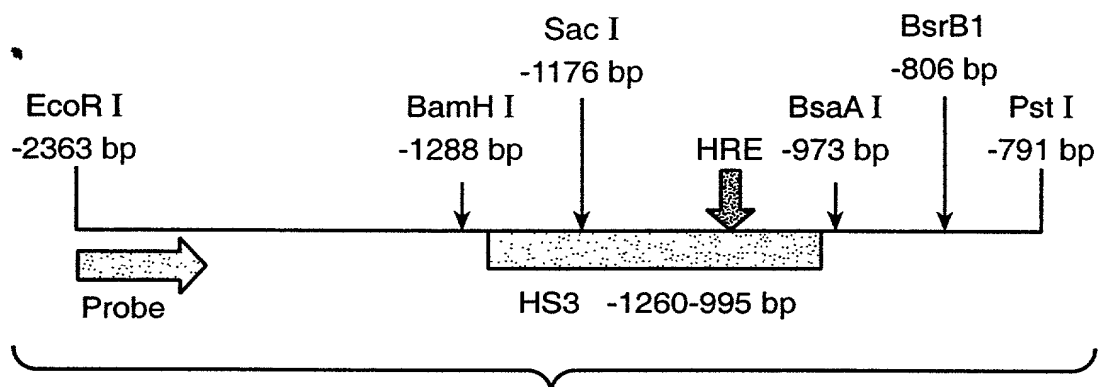
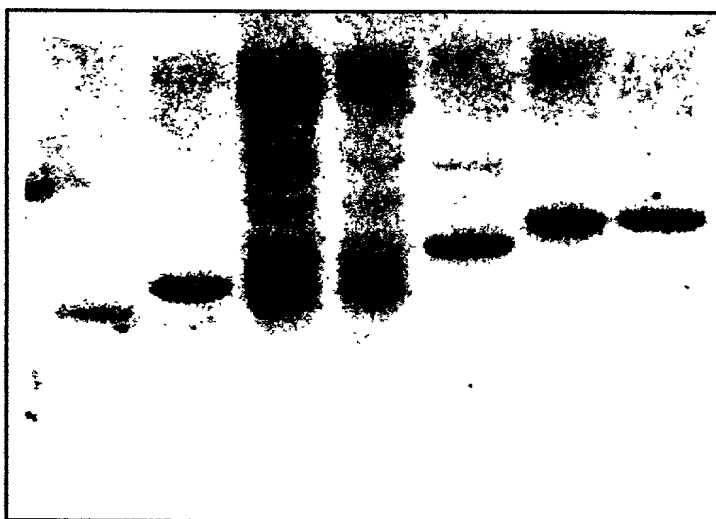


FIG._9

BamH I Sac I DNase I BsaA I BsrB I Pst I

**FIG. 10**

Conserved Regulatory Elements in the '-1000' Accessible Region:

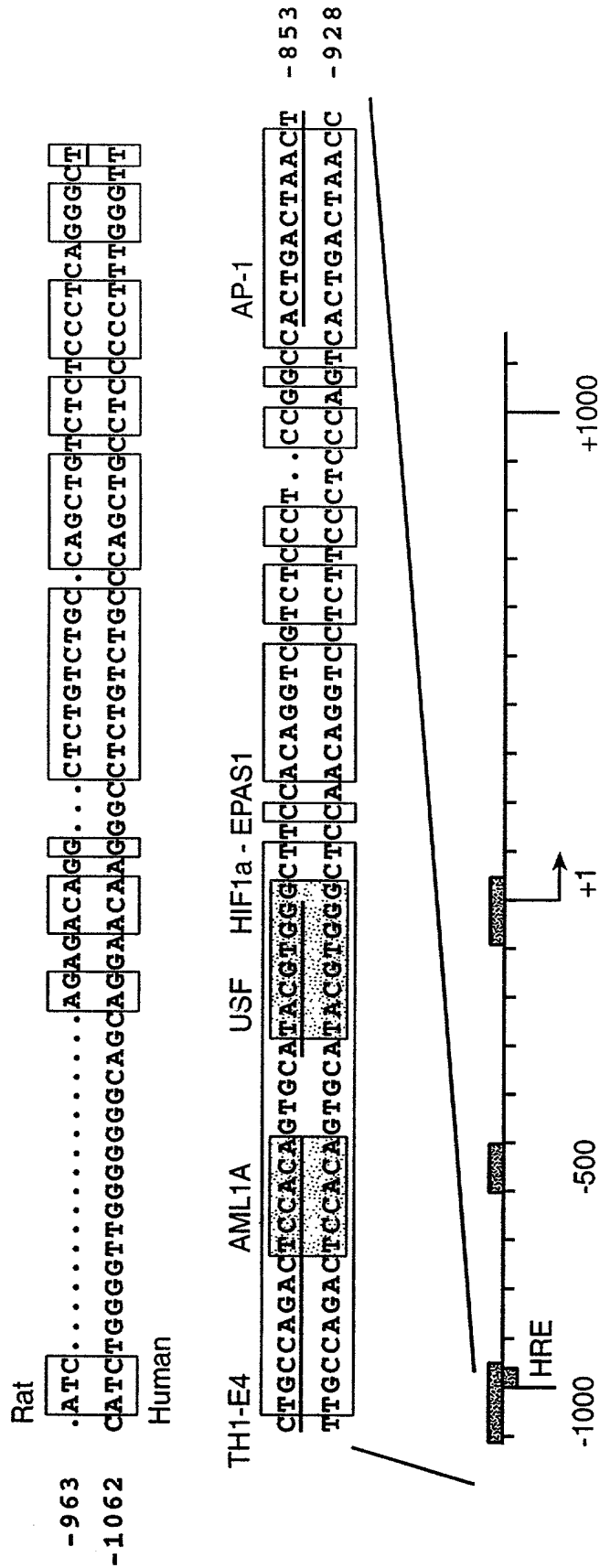


FIG. 11

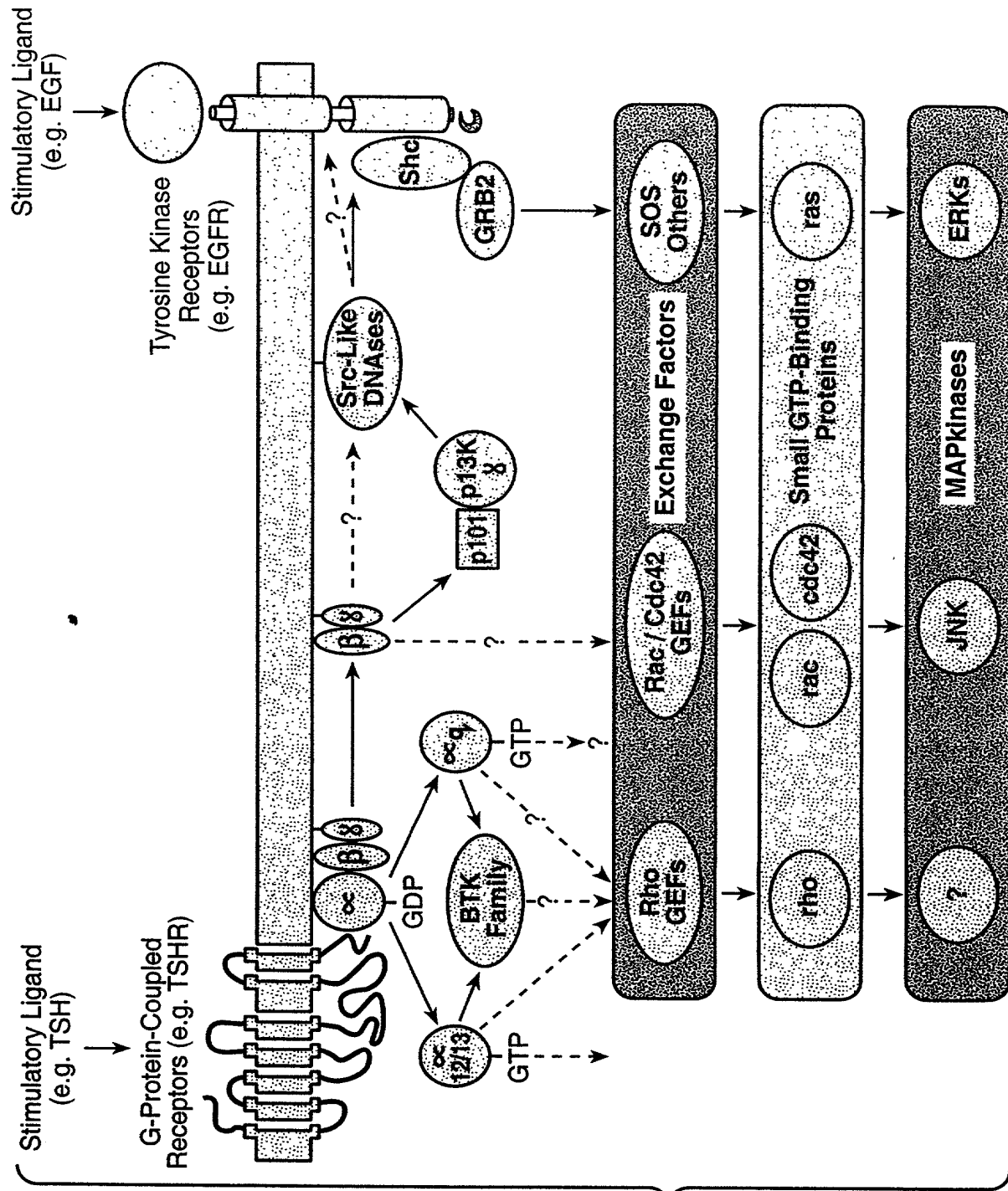
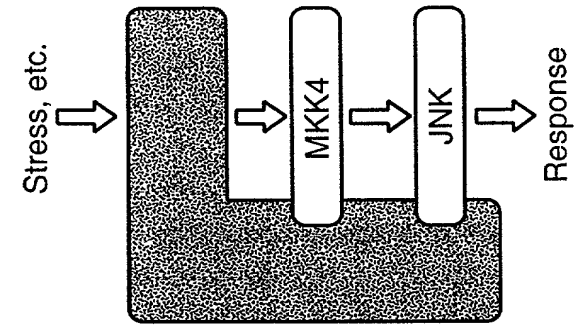
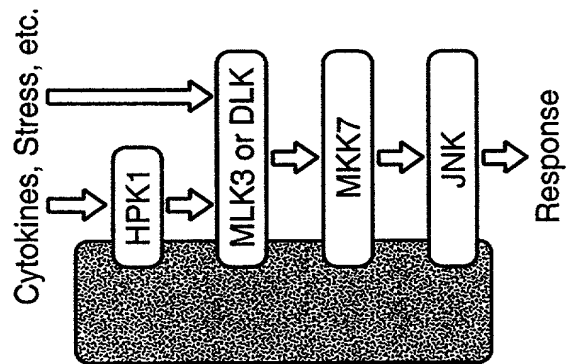
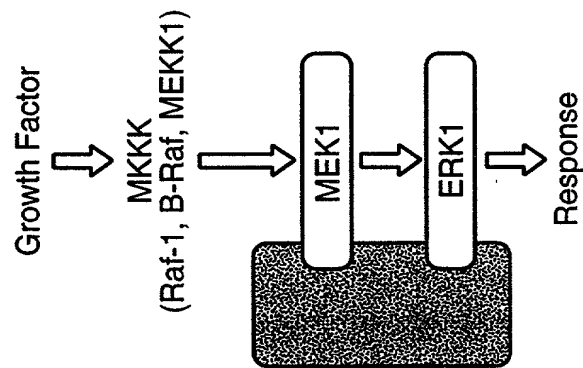
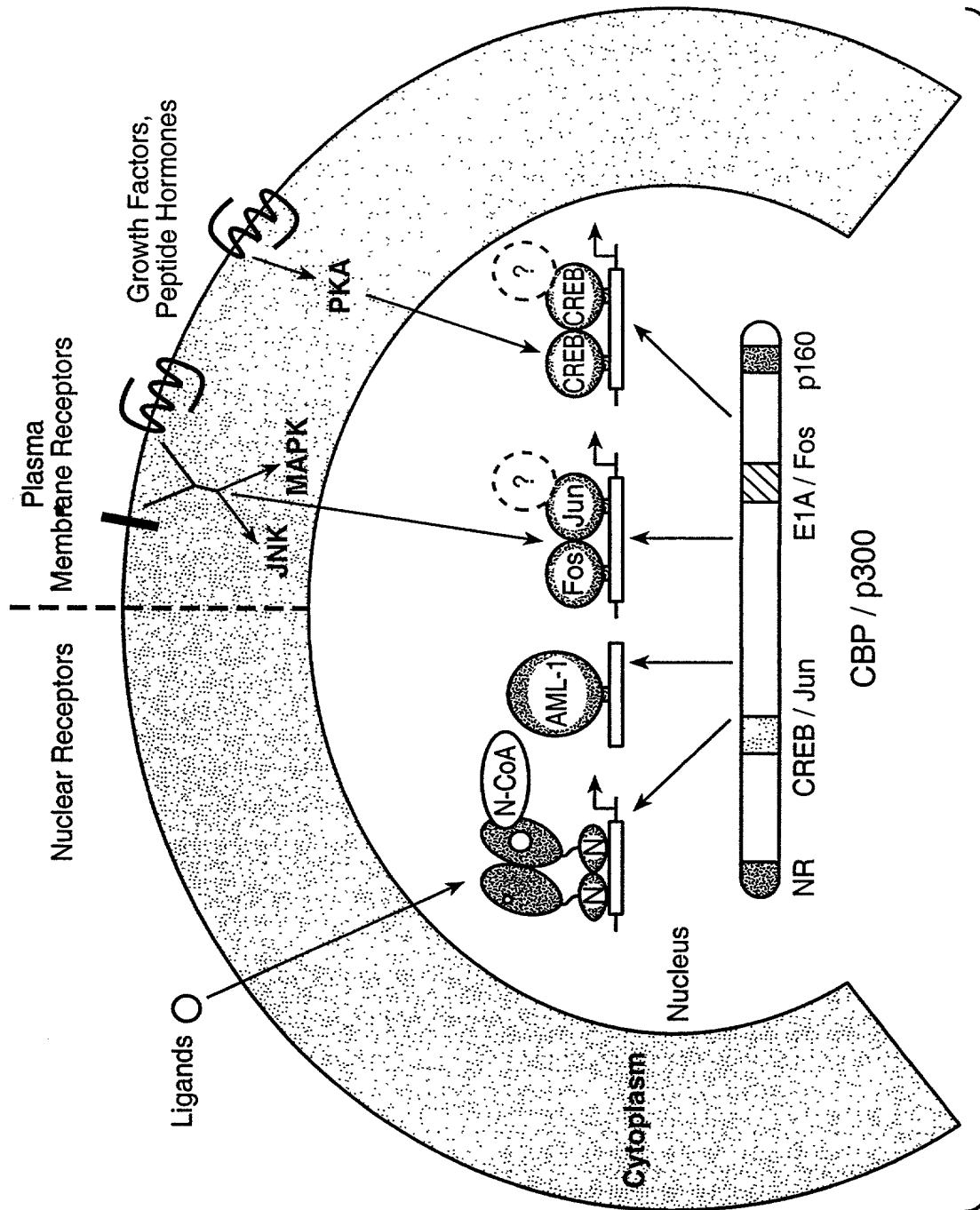
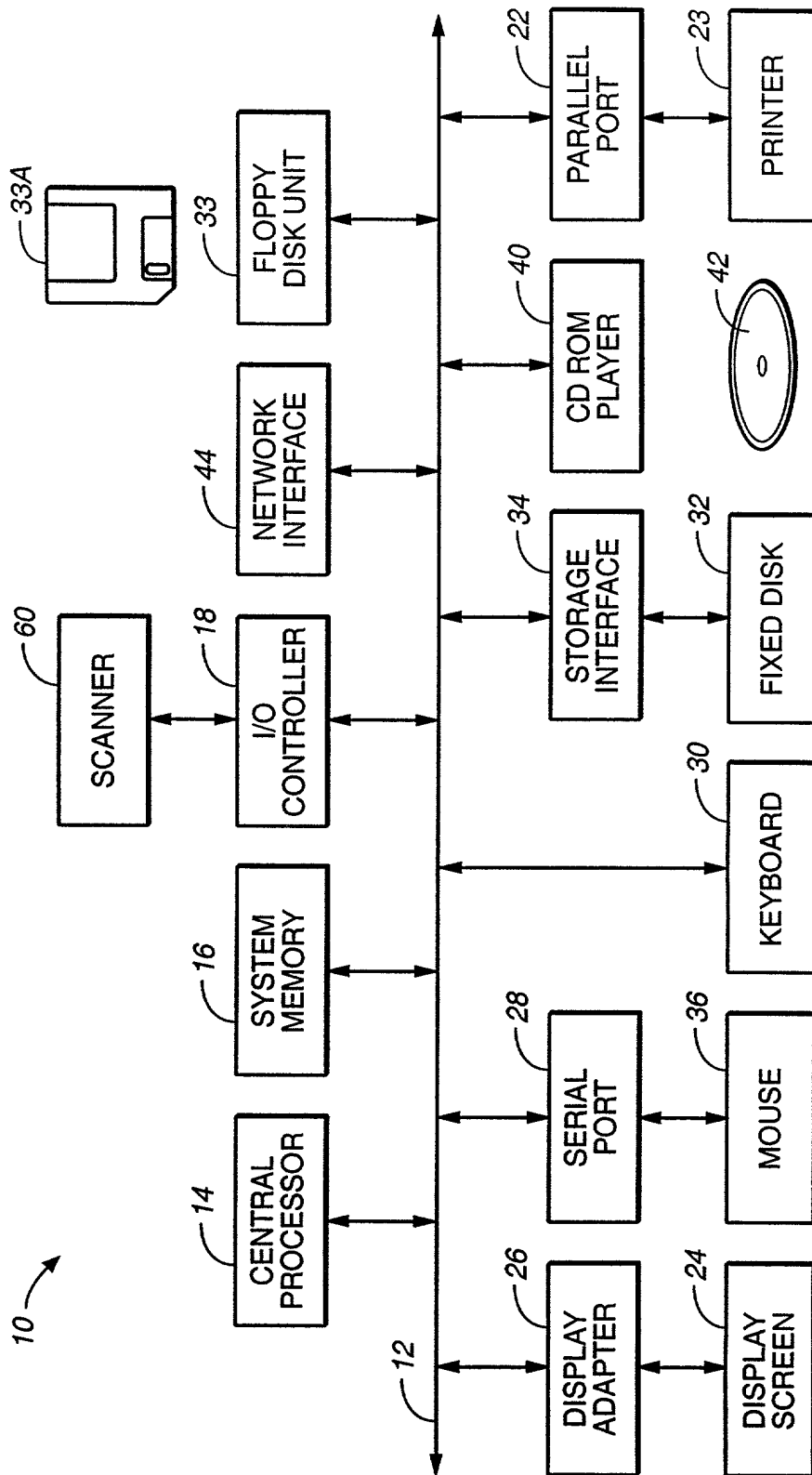
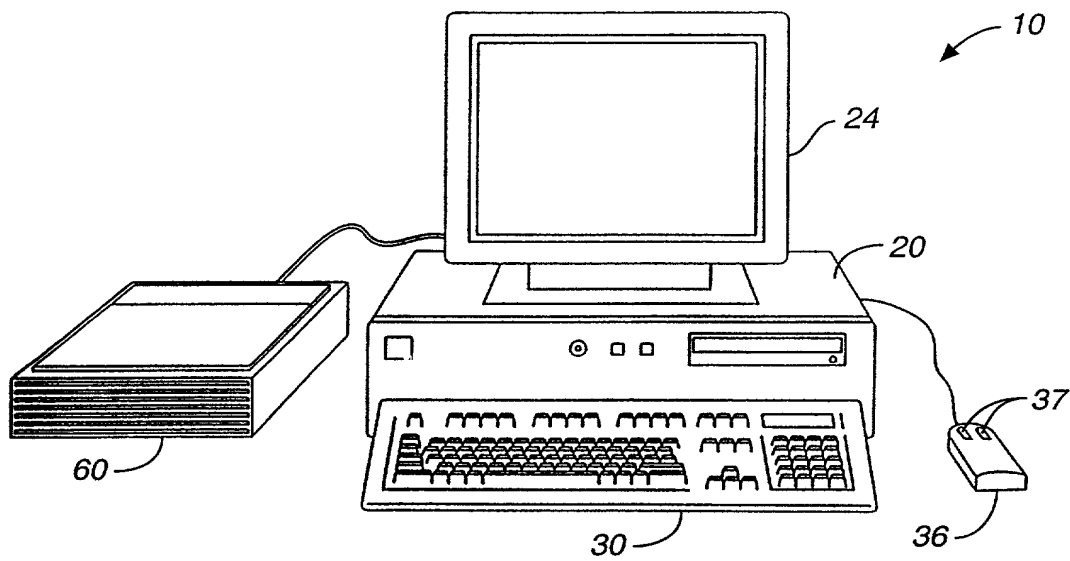
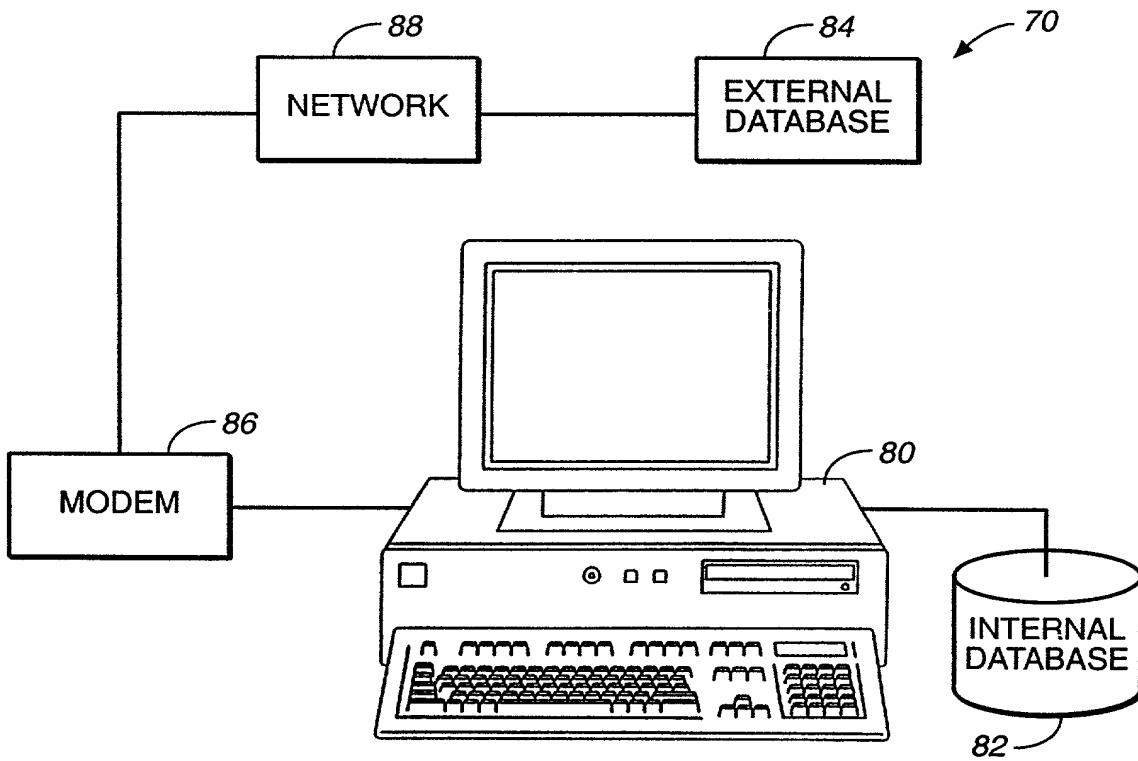


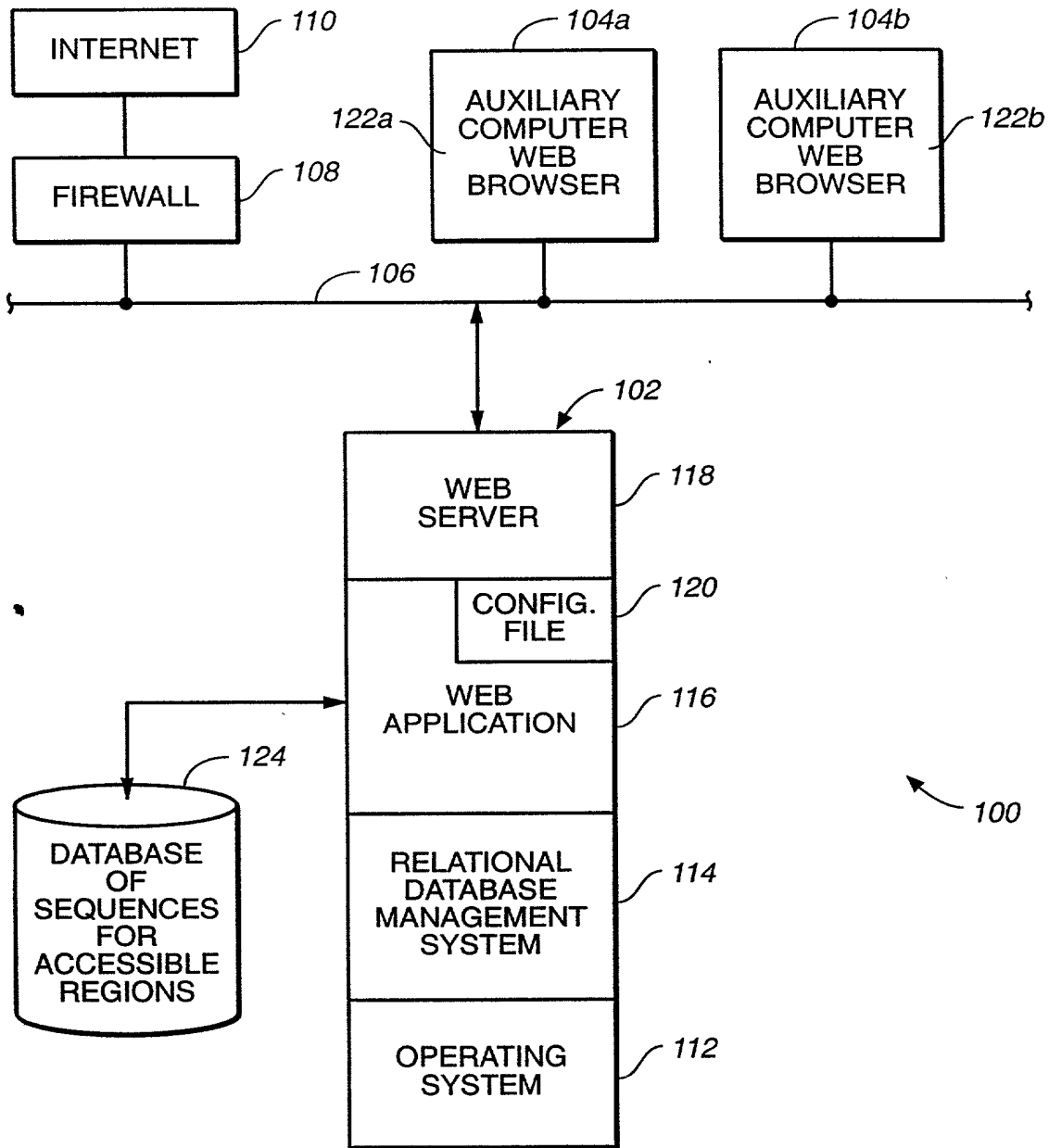
FIG. 12

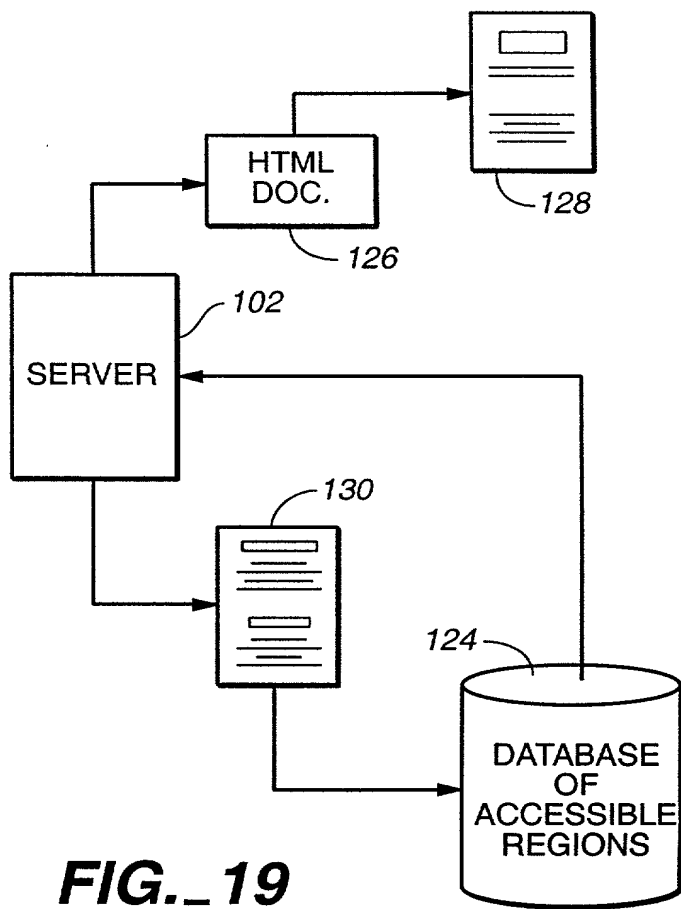
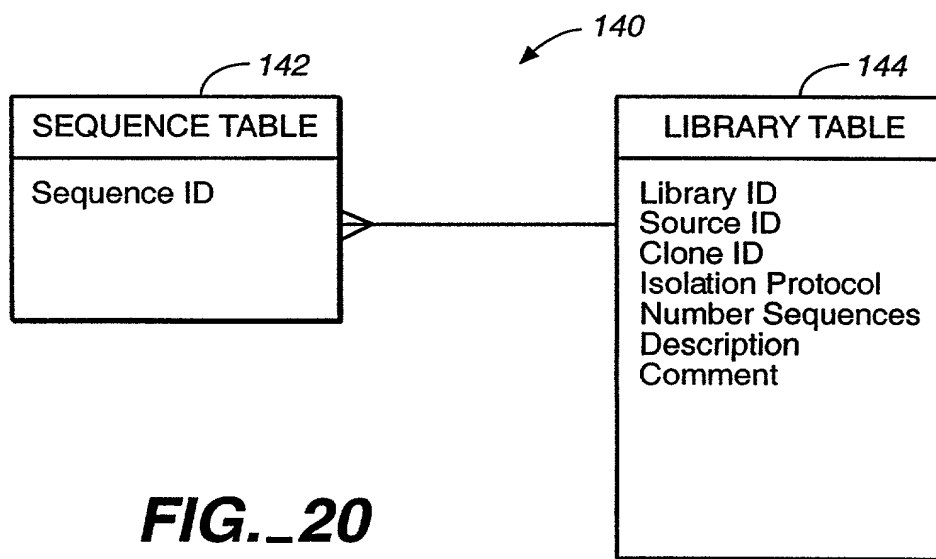
**FIG. 13C****FIG. 13B****FIG. 13A**

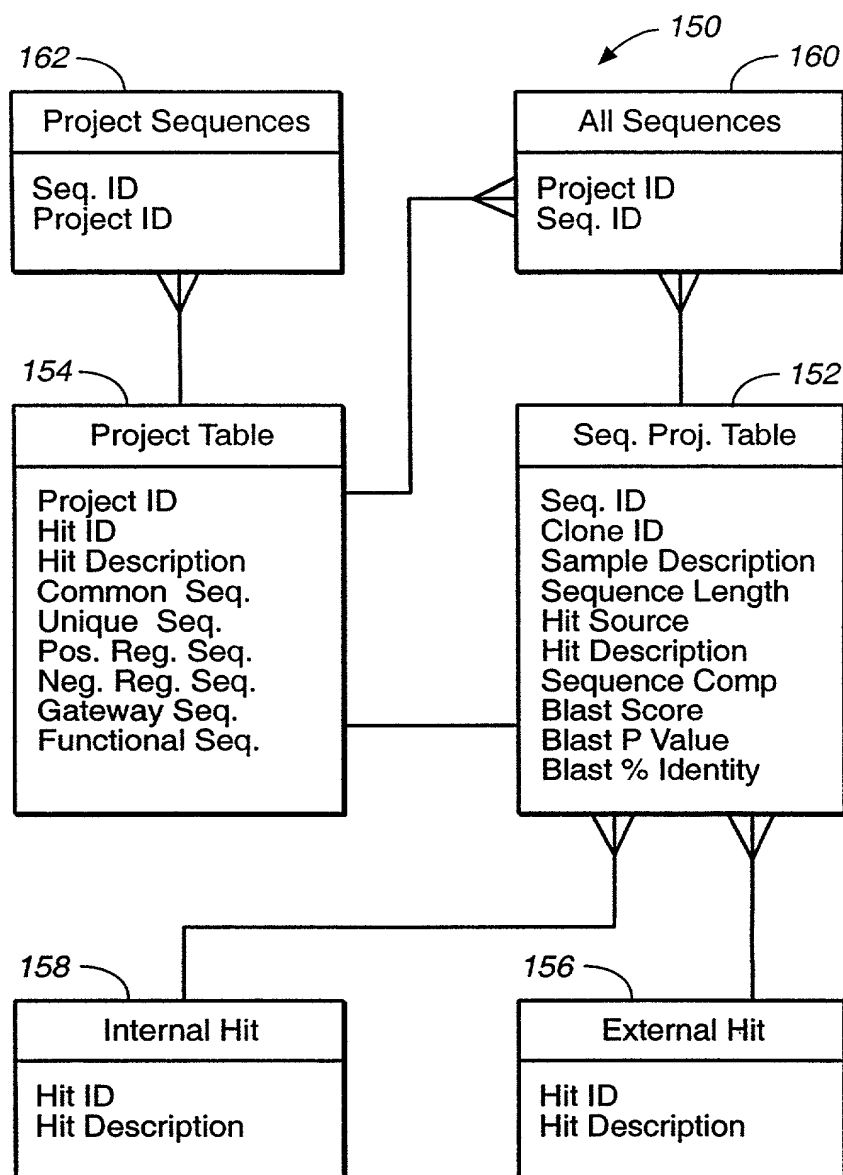
**FIG. 14**

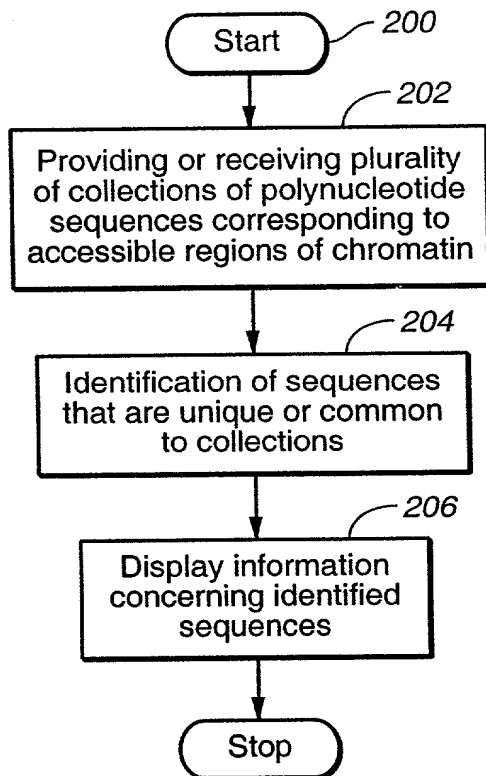
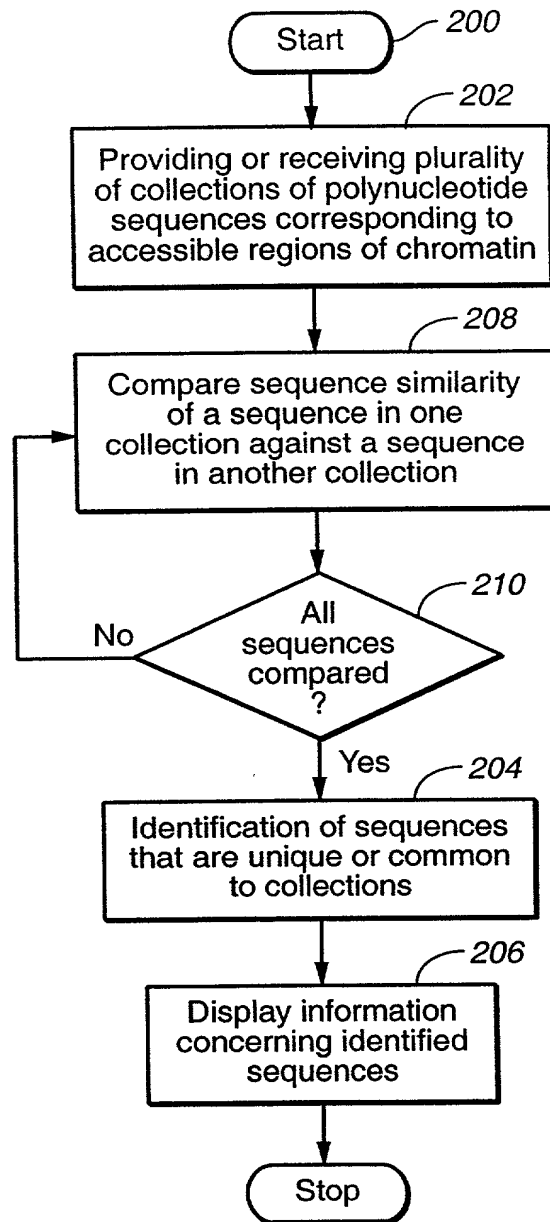
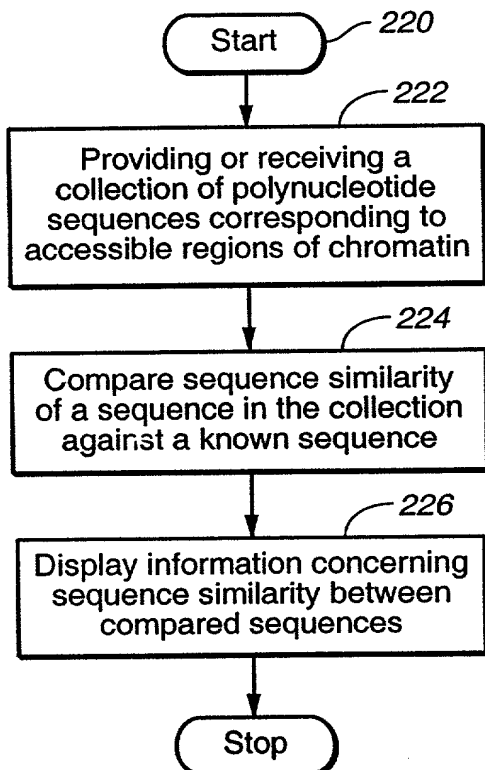
**FIG. 15**

**FIG._16****FIG._17**

**FIG. 18**

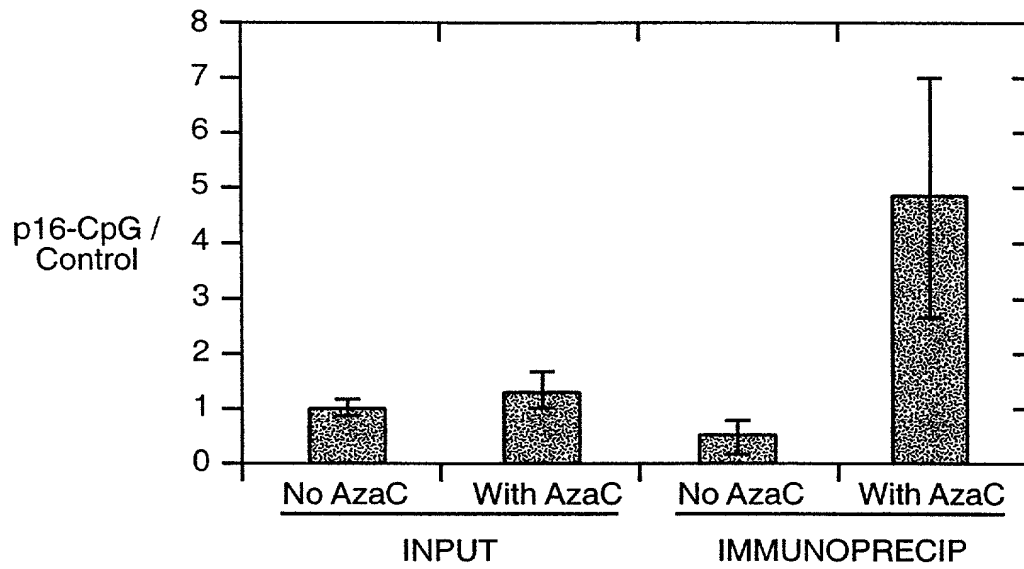
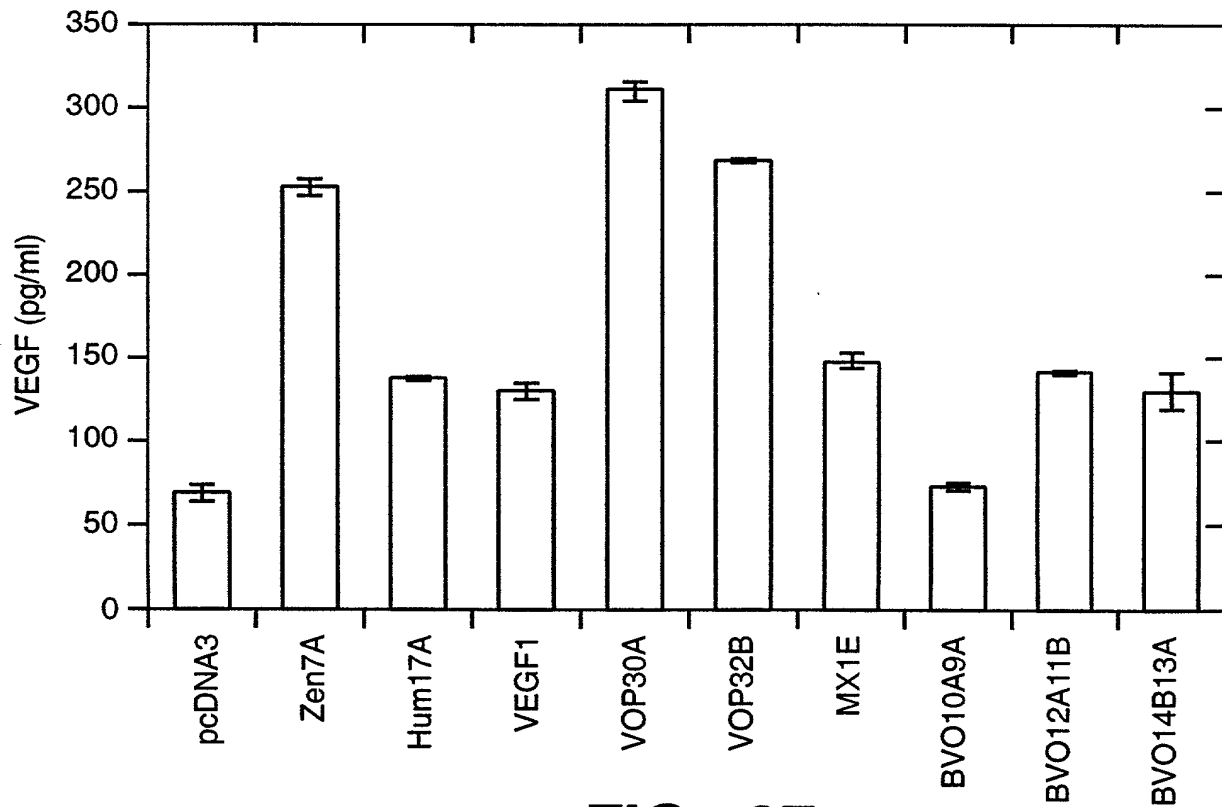
**FIG._19****FIG._20**

**FIG. 21**

**FIG. 22****FIG. 23****FIG. 24**

5' -HO- TAGAAGGCACAGTCGAGGACTTATCCTAGCCTCTGAATACTTTCAACAAGTTACACCCTT-P-3' -E (SEQ ID NO: 7)
3' -HO- AAAAAAATCTTCCGTGTCAGCTCCTGAATAGGATCGGAGACTTATGAAAAGTTGTTCAATGTGGGA-OH-5' (SEQ ID NO: 8)

FIG._25

**FIG._26****FIG._27**

